

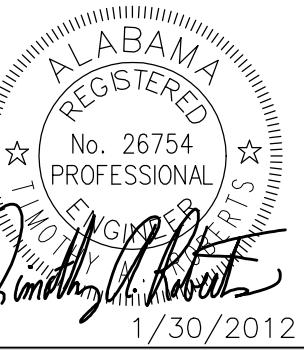


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[www.lbyd.com](http://www.lbyd.com)

LBYD Project Number:  
302-10-002A

**LBYD, Inc.**  
305 Church Street SW  
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Huntsville, AL 35801  
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HUNTSVILLE  
The Star of Alabama

## OVERALL GRADING PLAN REDSTONE GATEWAY - PACKAGE 1F ROADWAY IMPROVEMENTS CITY OF HUNTSVILLE HUNTSVILLE, ALABAMA

DRAWN:	REVIEWED:	DATE:	REV:	STORM & GRADING RE-DESIGN		PE	DRAINAGE	COH REVIEW
				TRAFFIC	REAL ESTATE			
BSJ	RAN	JANUARY 27, 2012						

**C8.0-A-R1**

47 OF 136





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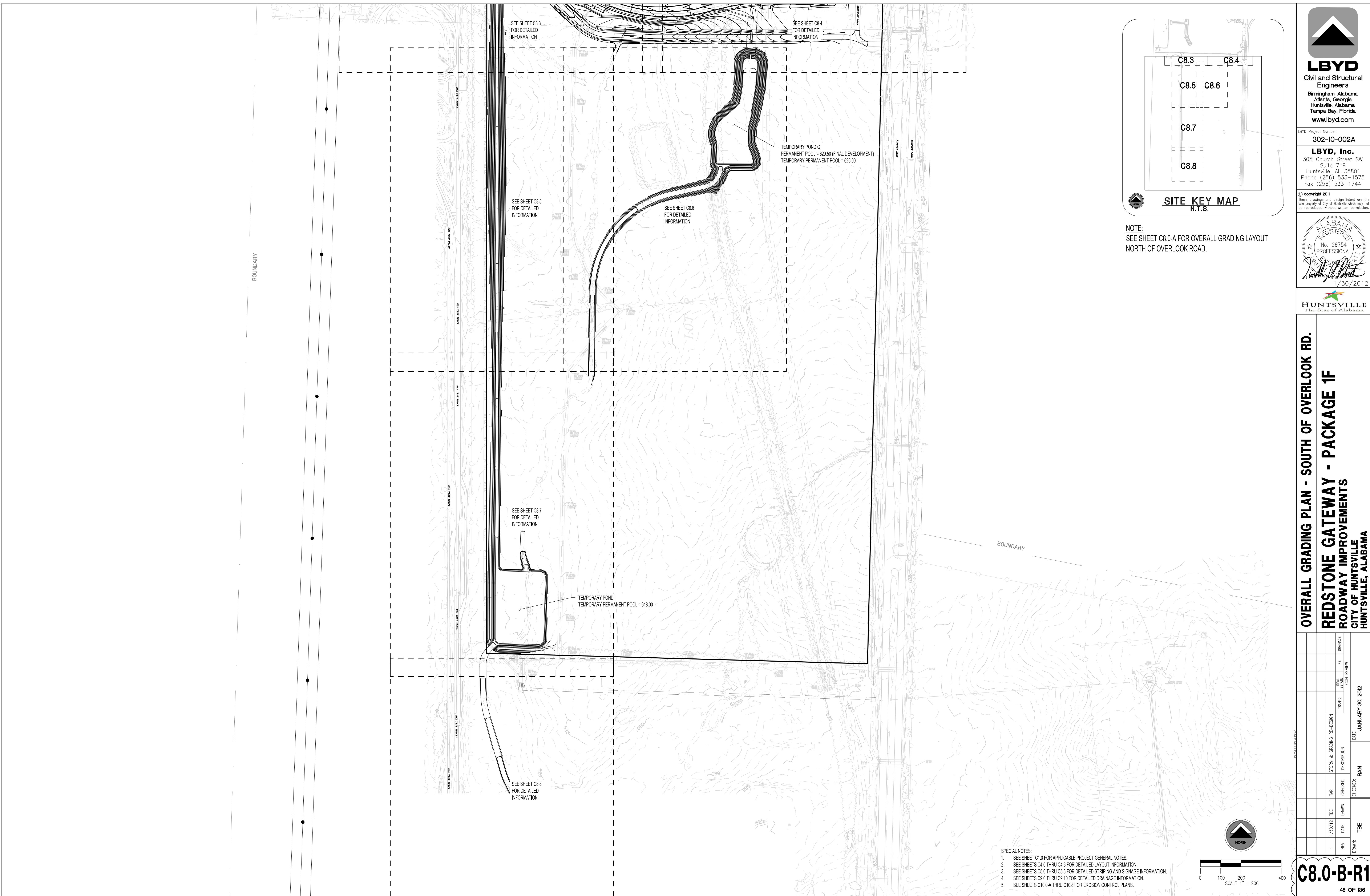
HUNTSVILLE  
The Star of Alabama

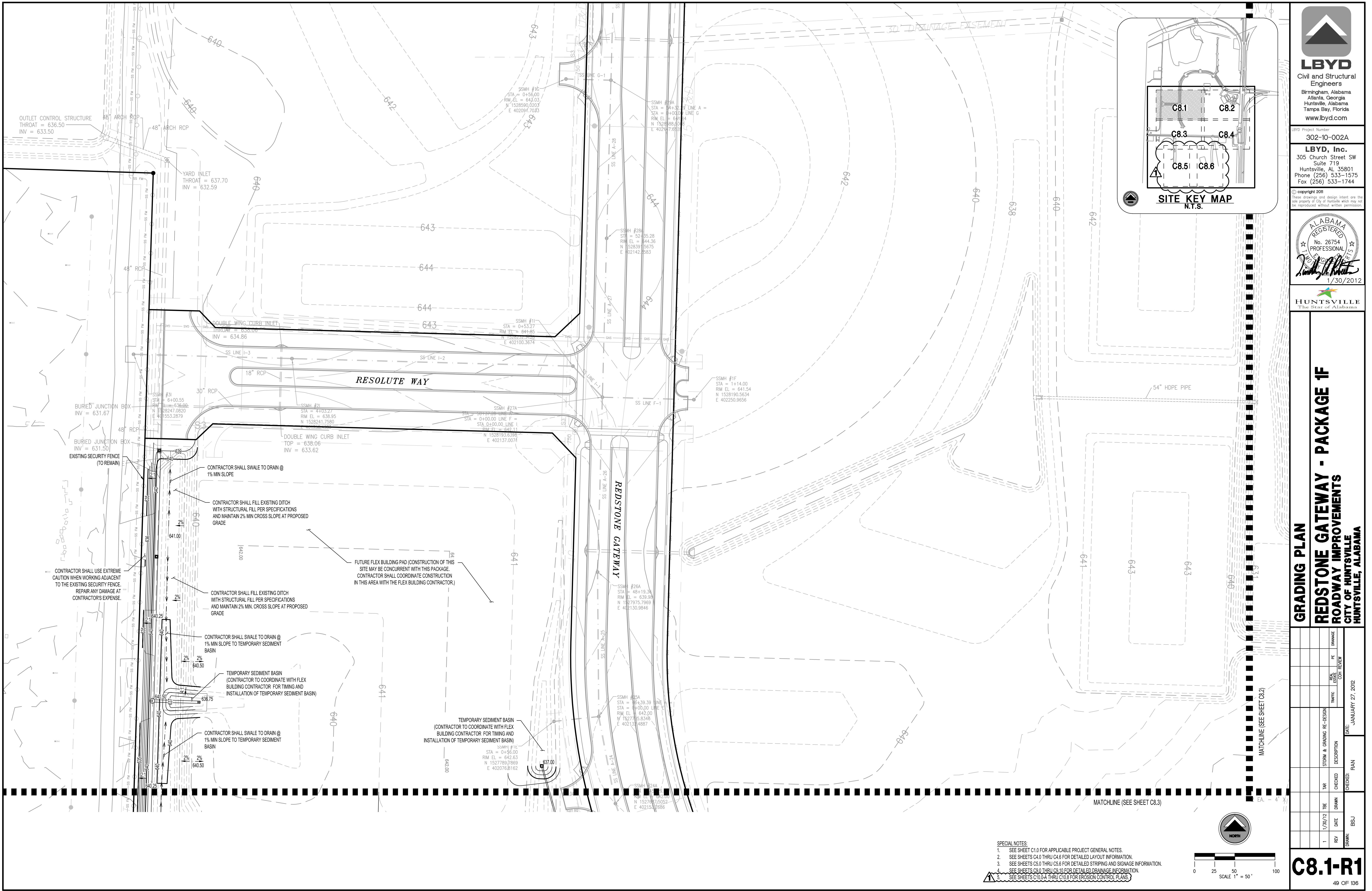
**OVERALL GRADING PLAN - SOUTH OF OVERLOOK RD.  
REDSTONE GATEWAY - PACKAGE 1F  
ROADWAY IMPROVEMENTS  
CITY OF HUNTSVILLE  
HUNTSVILLE, ALABAMA**

DRAWN AND CHECKED BY:									
1/30/12	TBE	TAR	STORM & GRAVEL RE-DESIGN	TRAVEL	REAL	PE	DRAINAGE	COH. REVIEW	DATE: JANUARY 30, 2012
REV:	DATE:	DRWNS:	DESCRIPTION:	TRAVEL:	REAL:	PE:	DRAINAGE:	COH. REVIEW:	

**C8.0-B-R1**

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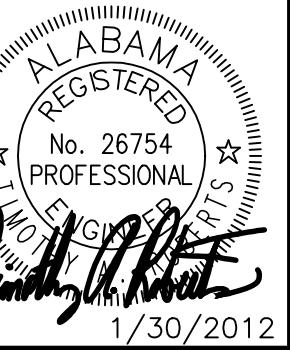


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## GRADING PLAN

### REDSTONE GATEWAY - PACKAGE 1F ROADWAY IMPROVEMENTS CITY OF HUNTSVILLE HUNTSVILLE, ALABAMA

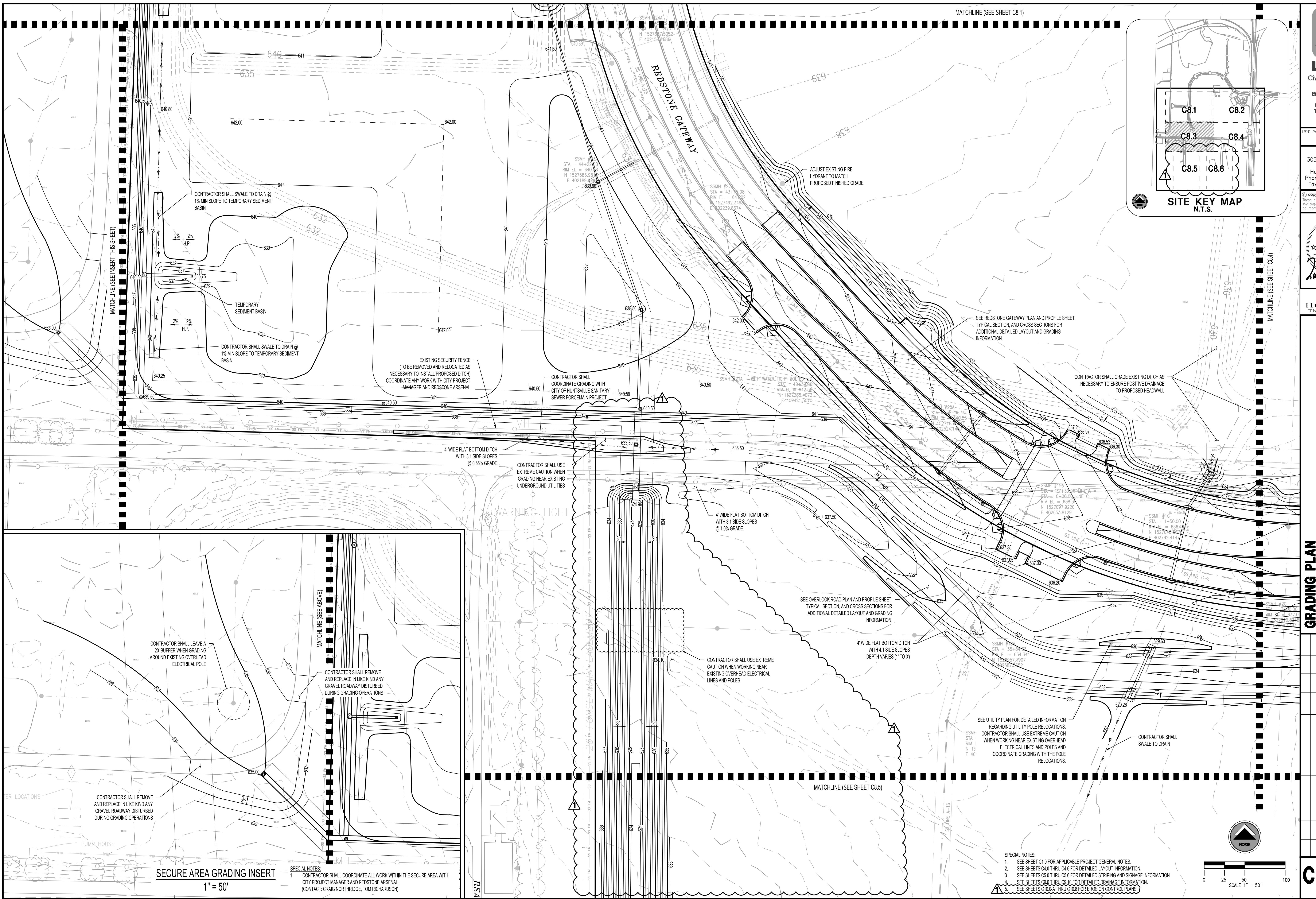
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				PE DRAINAGE
				SWALLOWS COH REVIEW

BSJ  
DRAWN: RAN  
CHECKED: DATE: JANUARY 27, 2012

NORTH

0 25 50 100  
SCALE 1" = 50'

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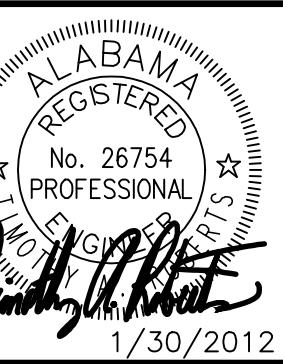


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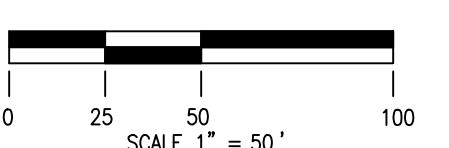
HUNTSVILLE  
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## GRADING PLAN REDSTONE GATEWAY - PACKAGE 1F ROADWAY IMPROVEMENTS CITY OF HUNTSVILLE HUNTSVILLE, ALABAMA

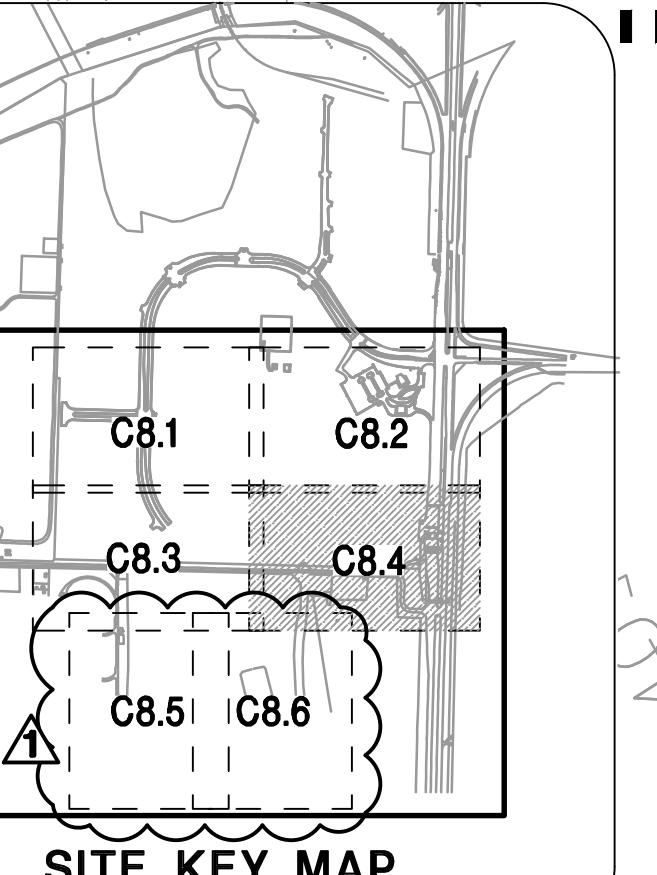
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C8.4-R1			BSJ	RAN					

52 OF 136

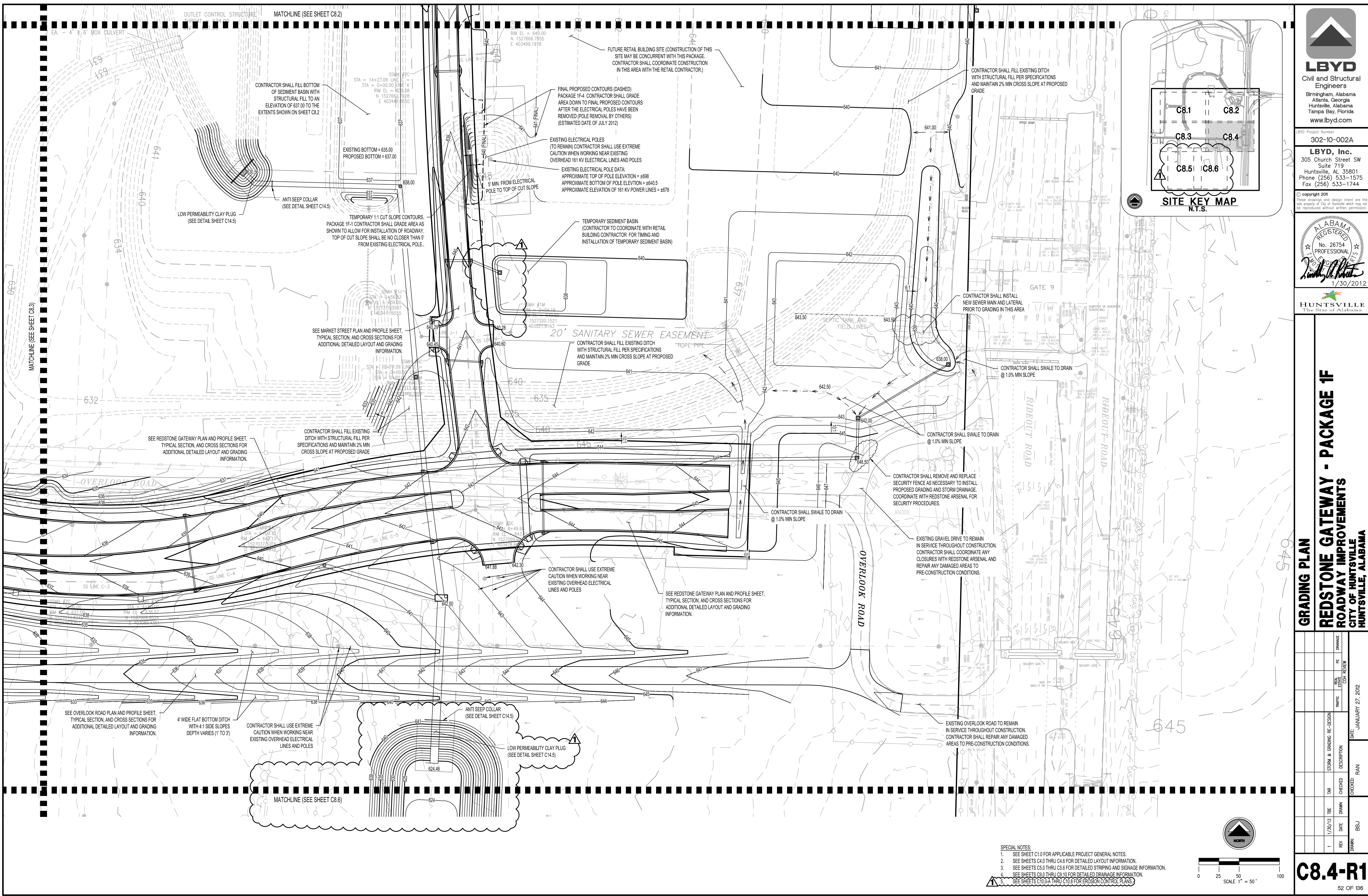
SPECIAL NOTES:  
1. SEE SHEET C1.0 FOR APPLICABLE PROJECT GENERAL NOTES.  
2. SEE SHEETS C4.0 THRU C4.6 FOR DETAILED LAYOUT INFORMATION.  
3. SEE SHEETS C5.0 THRU C5.6 FOR DETAILED STRIPPING AND SIGNAGE INFORMATION.  
4. SEE SHEETS C9.0 THRU C9.10 FOR DETAILED DRAINAGE INFORMATION.  
5. SEE SHEETS C10.0A THRU C10.8 FOR EROSION CONTROL PLANS.



0 25 50 SCALE 1" = 50'



SITE KEY MAP  
N.T.S.





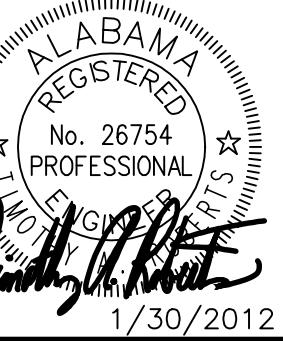


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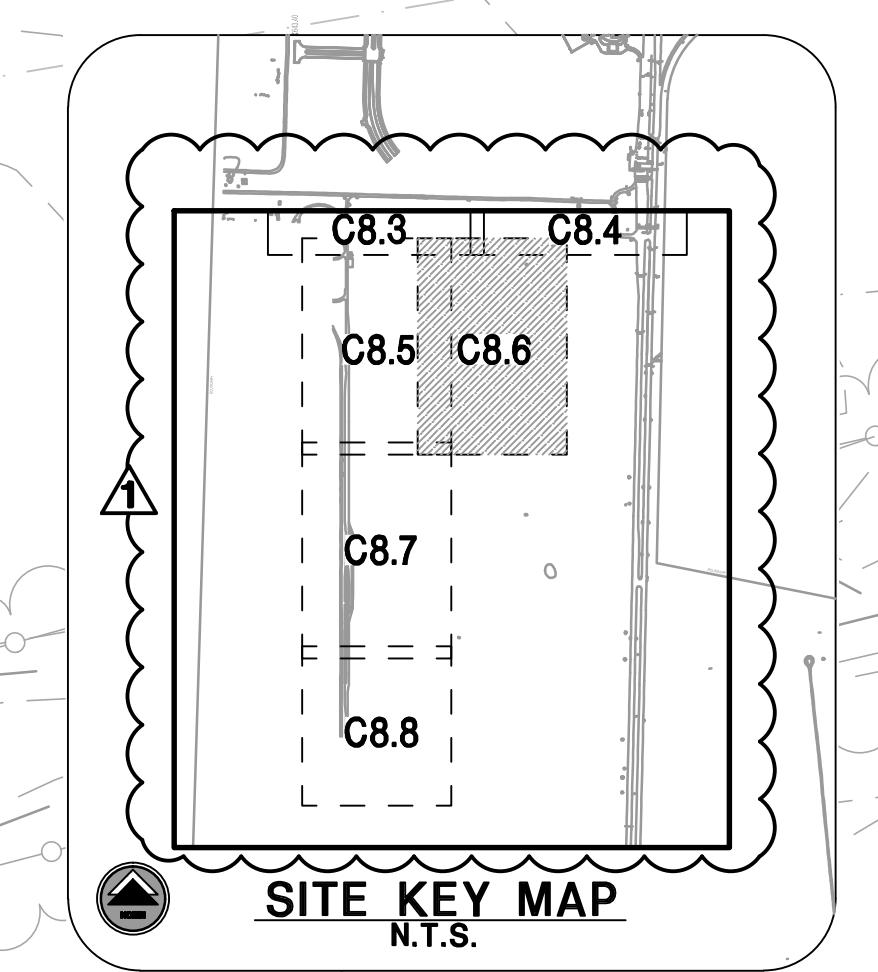
## GRADING PLAN REDSTONE GATEWAY - PACKAGE 1F ROADWAY IMPROVEMENTS CITY OF HUNTSVILLE HUNTSVILLE, ALABAMA

### GRADING PLAN

REF.	DATE	DRAWN	CHECKED	DESCRIPTION	STORM & GRADING RE-DESIGN			
					TRAC	REAL	PE	DRAINE

C8.6-R1

54 OF 136



**SPECIAL NOTES:**  
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4. SEE SHEETS C9.0 THRU C9.10 FOR DETAILED DRAINAGE INFORMATION.  
SEE SHEETS C10.0-A THRU C10.8 FOR EROSION CONTROL PLANS.

0 25 50 100  
SCALE 1" = 50'

MATCHLINE (SEE SHEET C8.4)

TEMPORARY POND G  
PERMANENT POOL = 629.50 (FINAL DEVELOPMENT)  
TEMPORARY PERMANENT POOL = 626.00

PROPOSED SPILLWAY  
(SEE DETAIL SHEET C14.5)

20' WIDE FLAT BOTTOM DITCH  
WITH 3:1 SIDE SLOPES  
@ 0.20% SLOPE

SEE SHEET C10.6 FOR  
SEWER PROTECTION

MATCHLINE (SEE SHEET C8.5)

SEE SHEET C10.6 FOR  
SEWER PROTECTION

CONTRACTOR SHALL  
SWALE TO DRAIN

CONTRACTOR SHALL  
USE EXTREME  
CAUTION WHEN WORKING NEAR  
EXISTING OVERHEAD ELECTRICAL  
LINES AND POLES

EXISTING ELECTRICAL POLES  
(TO REMAIN CONTRACTOR  
SHALL MAINTAIN 20' BUFFER  
AROUND BASE OF POLES)

EXISTING GUY WIRES  
(TO REMAIN CONTRACTOR  
SHALL MAINTAIN 20' BUFFER  
AROUND BASE OF GUY WIRES)

CONTRACTOR SHALL USE EXTREME  
CAUTION WHEN WORKING NEAR  
EXISTING OVERHEAD ELECTRICAL  
LINES AND POLES

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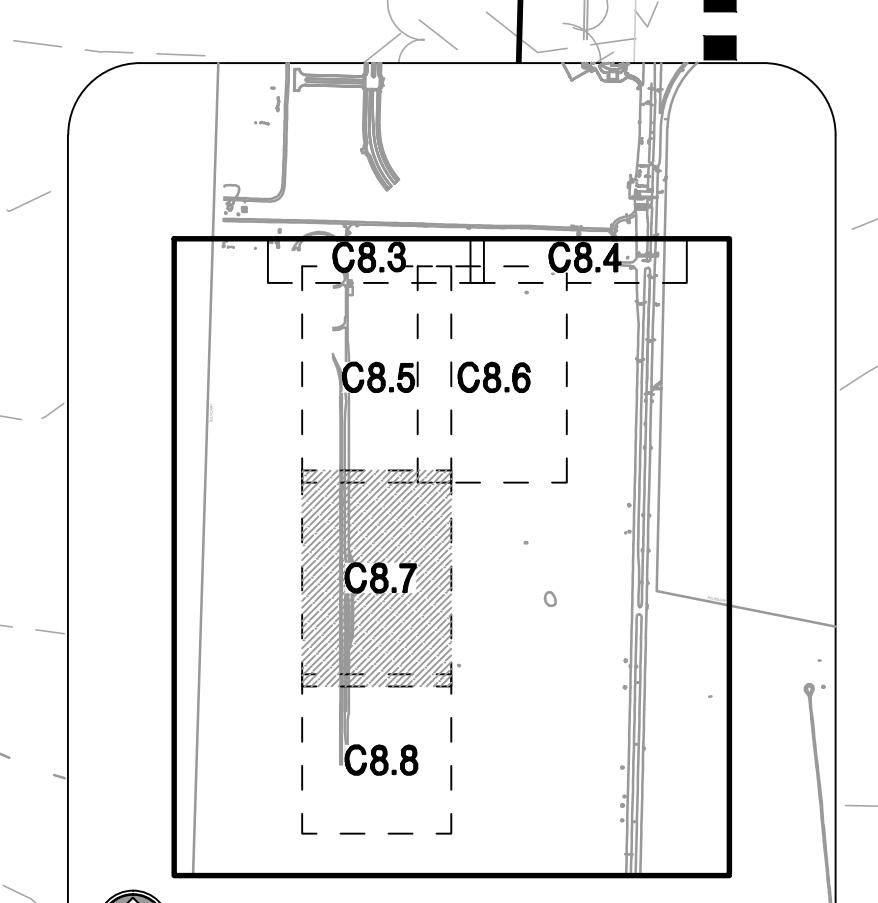
## GRADING PLAN REDSTONE GATEWAY - PACKAGE 1F ROADWAY IMPROVEMENTS CITY OF HUNTSVILLE HUNTSVILLE, ALABAMA

REF.	DATE	TBE	TAR	STORM & GRADING RE-DESIGN	TRAVC	REAL	PE	DRAINE

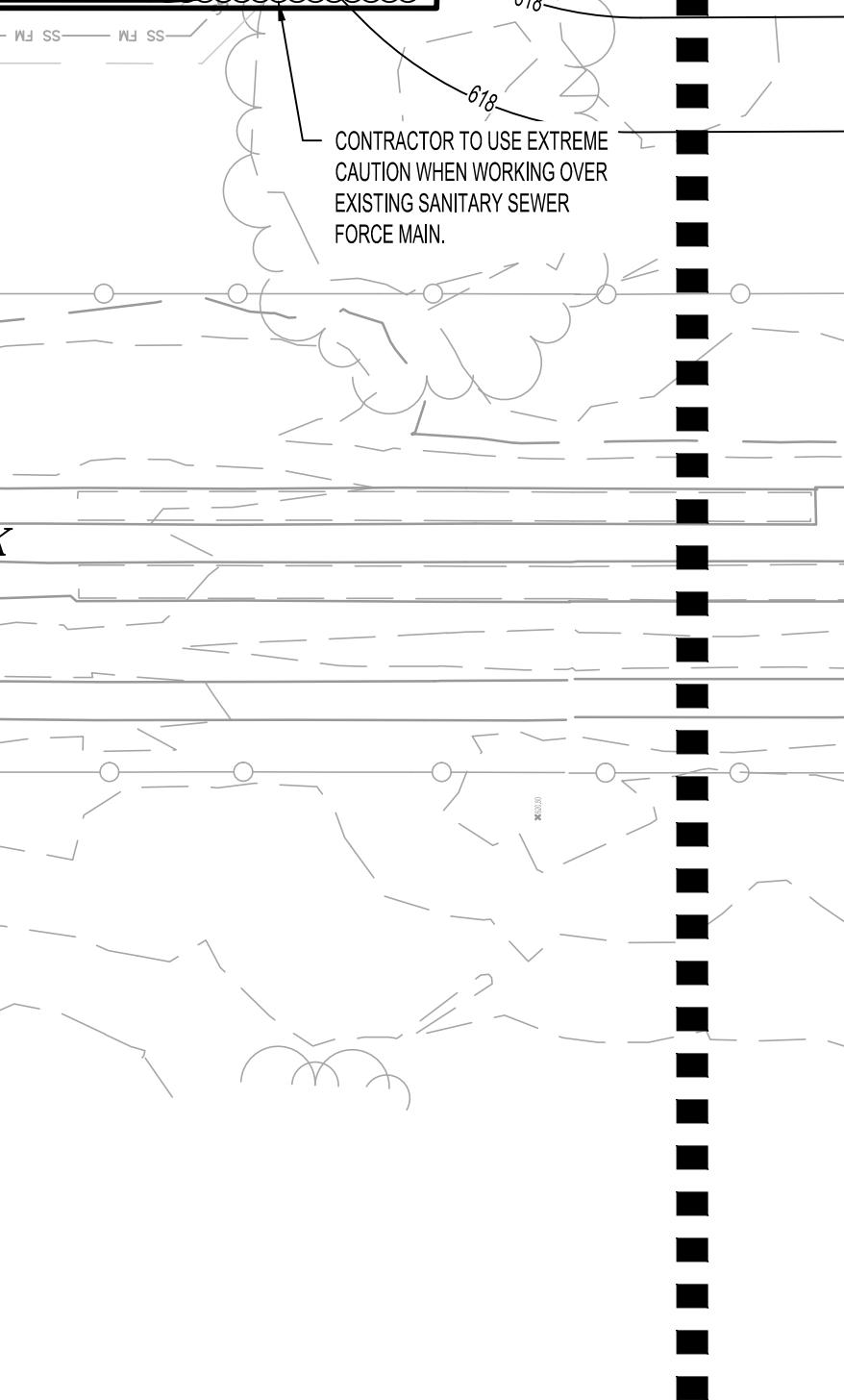
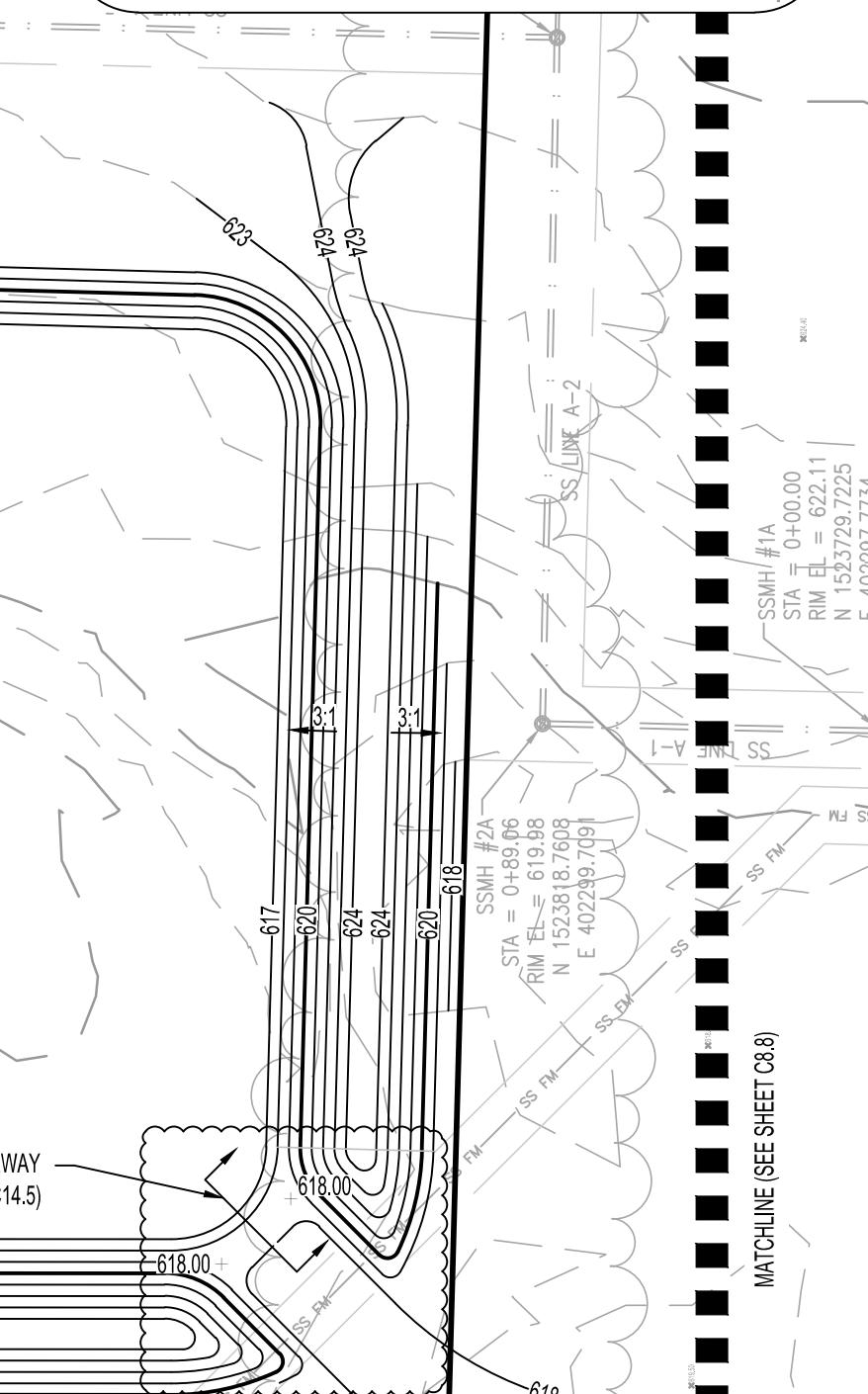
DRAWN: RAN  
CHECKED: RAN  
DATE: JANUARY 30, 2012

REVIEWED: C8.7-R1  
DATE: JANUARY 30, 2012

55 OF 136



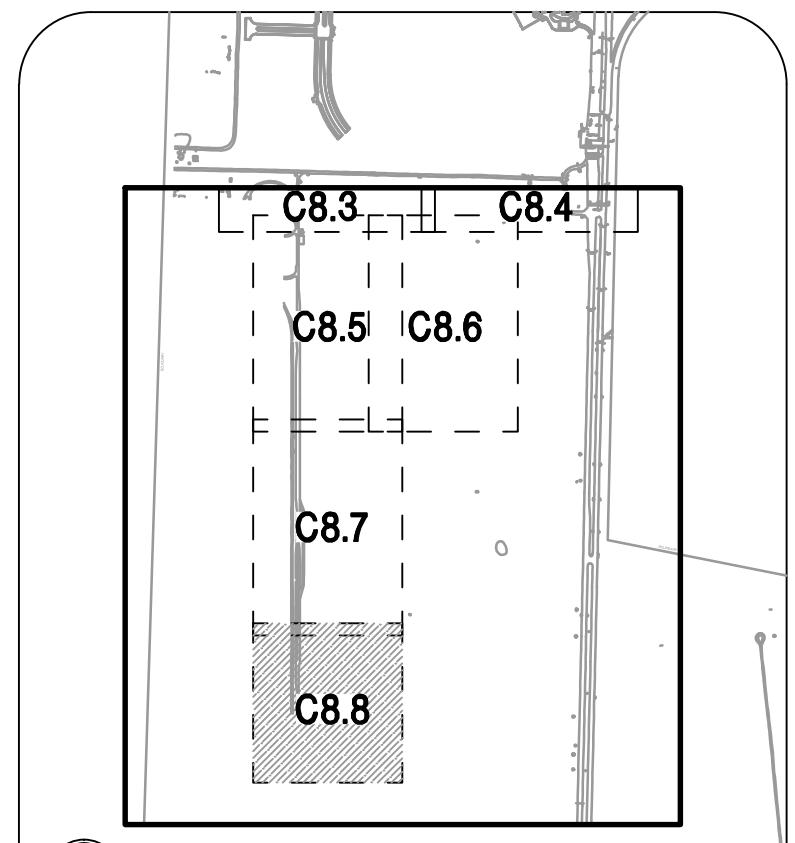
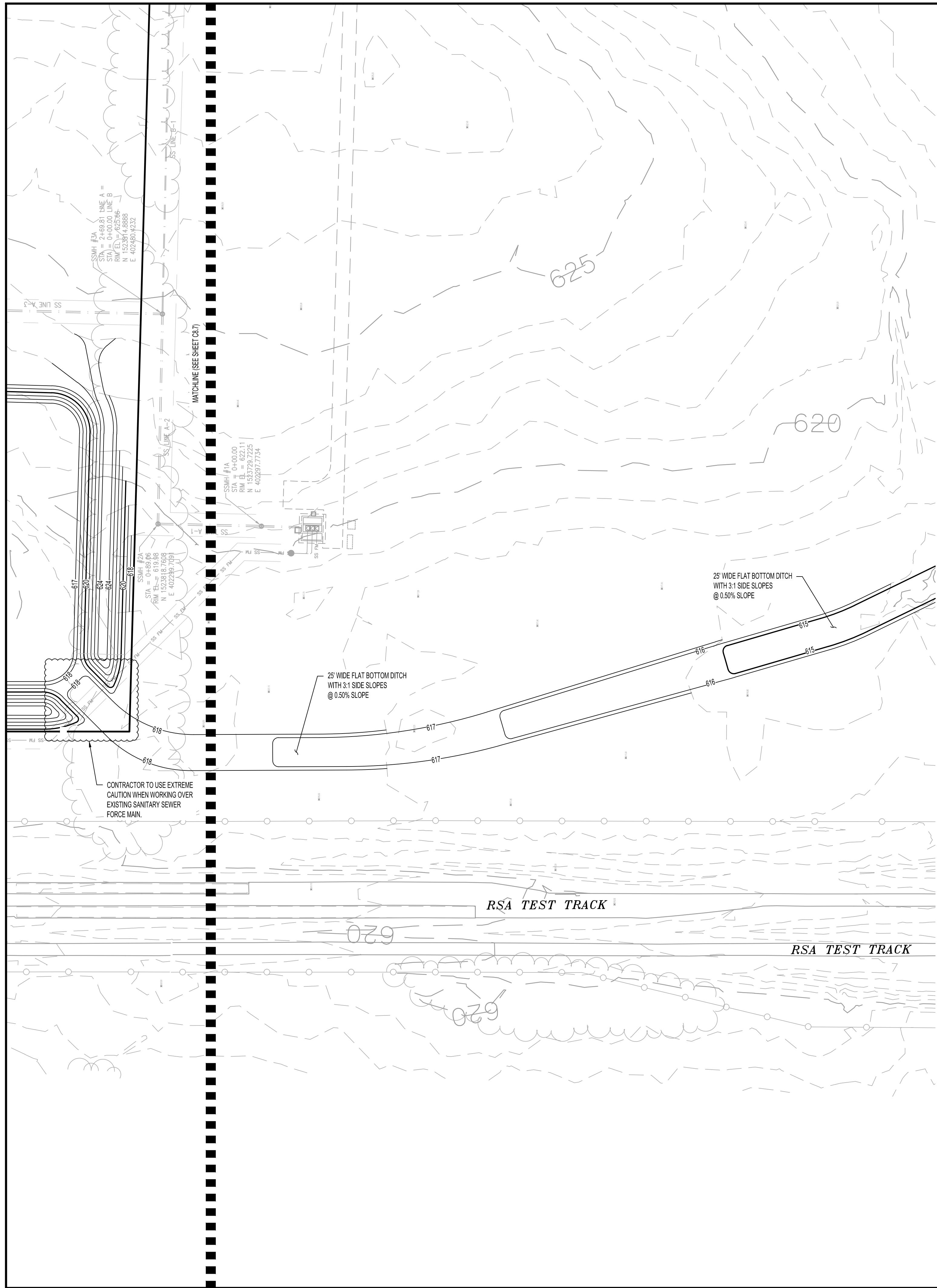
SITE KEY MAP  
N.T.S.



- SPECIAL NOTES:  
 1. SEE SHEET C1.0 FOR APPLICABLE PROJECT GENERAL NOTES.  
 2. SEE SHEETS C4.0 THRU C4.6 FOR DETAILED LAYOUT INFORMATION.  
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 4. SEE SHEETS C9.0 THRU C9.10 FOR DETAILED DRAINAGE INFORMATION.  
 5. SEE SHEETS C10.0 THRU C10.9 FOR EROSION CONTROL PLANS.

0 25 50  
SCALE 1" = 50'

C8.7-R1  
55 OF 136



# **SITE KEY MAP**

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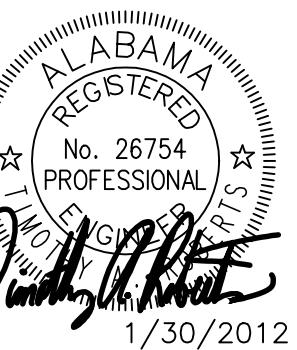
## **N.T.S.**

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# **REDSTONE GATEWAY - PACKAGE 1F**

# **ROADWAY IMPROVEMENTS**

## **CITY OF HUNTSVILLE**

## **HUNTSVILLE, ALABAMA**

# **REDSTONE GATEWAY - ROADWAY IMPROVEMENTS**

## **CITY OF HUNTSVILLE HUNTSVILLE, ALABAMA**

**C8.8-R1**

SPECIAL NOTES:

1. SEE SHEET C1.0 FOR APPLICABLE PROJECT GENERAL NOTES.
2. SEE SHEETS C4.0 THRU C4.6 FOR DETAILED LAYOUT INFORMATION.
3. SEE SHEETS C5.0 THRU C5.6 FOR DETAILED STRIPING AND SIGNAGE INFORMATION.
4. SEE SHEETS C9.0 THRU C9.10 FOR DETAILED DRAINAGE INFORMATION.
5. SEE SHEETS C10.0-A THRU C10.8 FOR EROSION CONTROL PLANS.

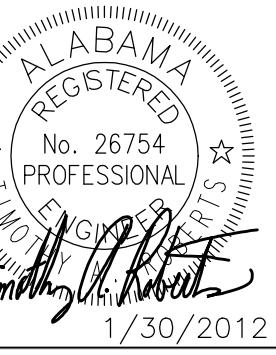


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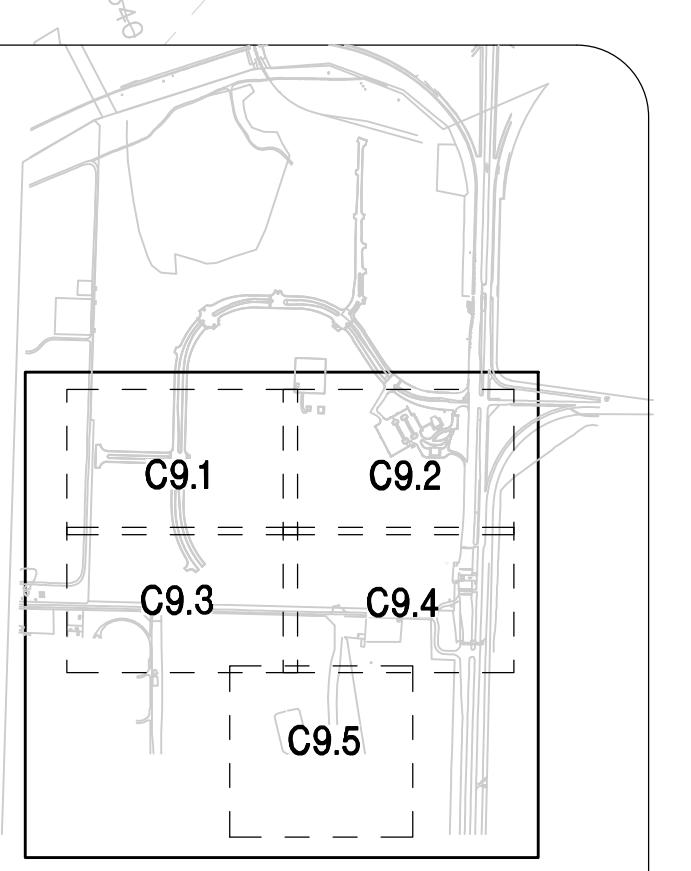
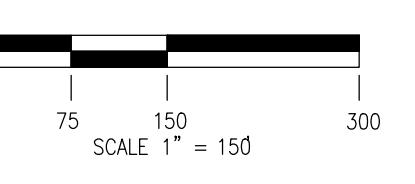
**OVERALL DRAINAGE PLAN**  
**REDSTONE GATEWAY - PACKAGE 1F**  
**ROADWAY IMPROVEMENTS**  
**CITY OF HUNTSVILLE**  
**HUNTSVILLE, ALABAMA**

DRAWN:	REVIEWED:	DATE:	CHECKED:	DESCRIPTION:	PE		DRAFTER:	DATE:
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BSJ	RAN	JANUARY 27, 2012						

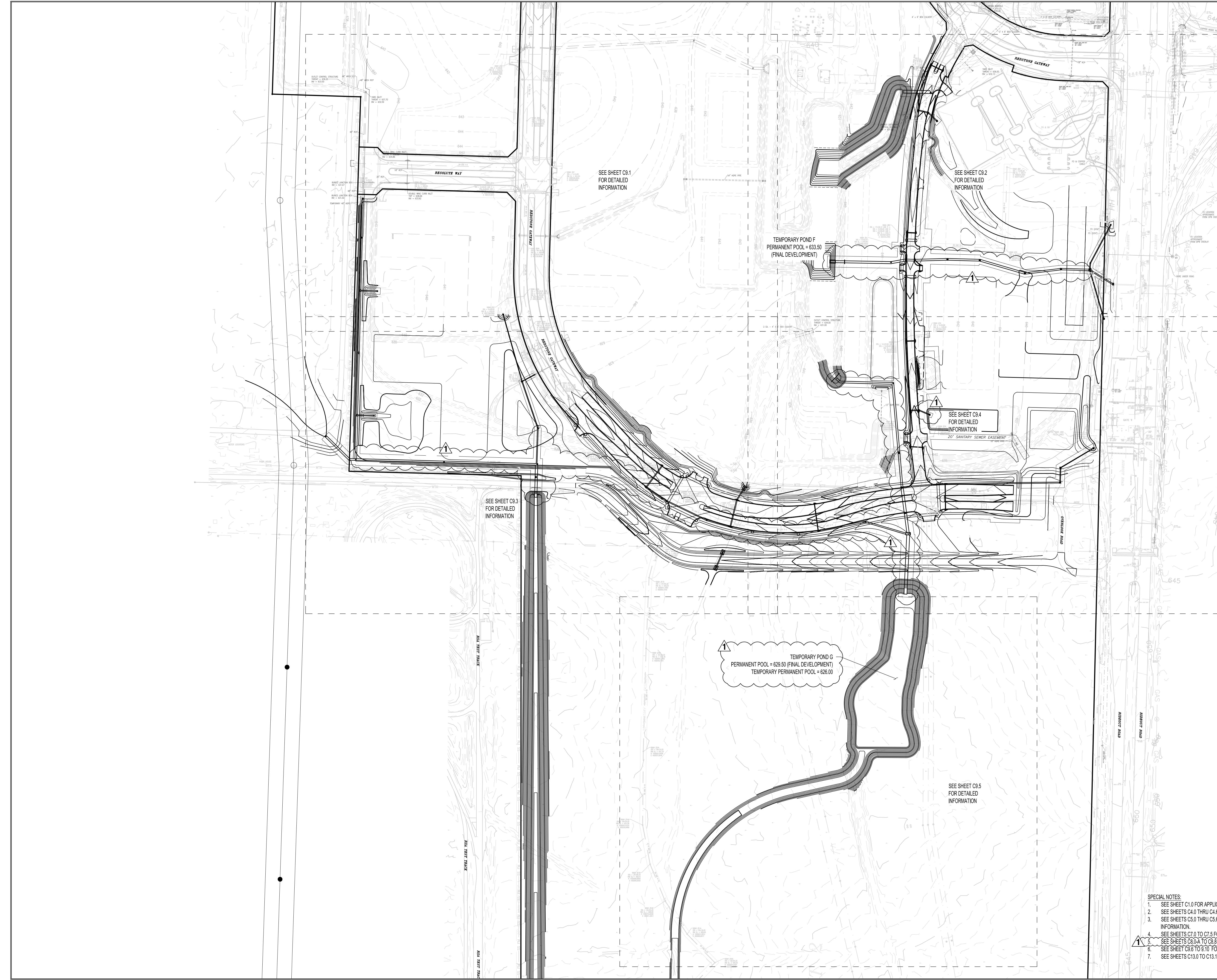
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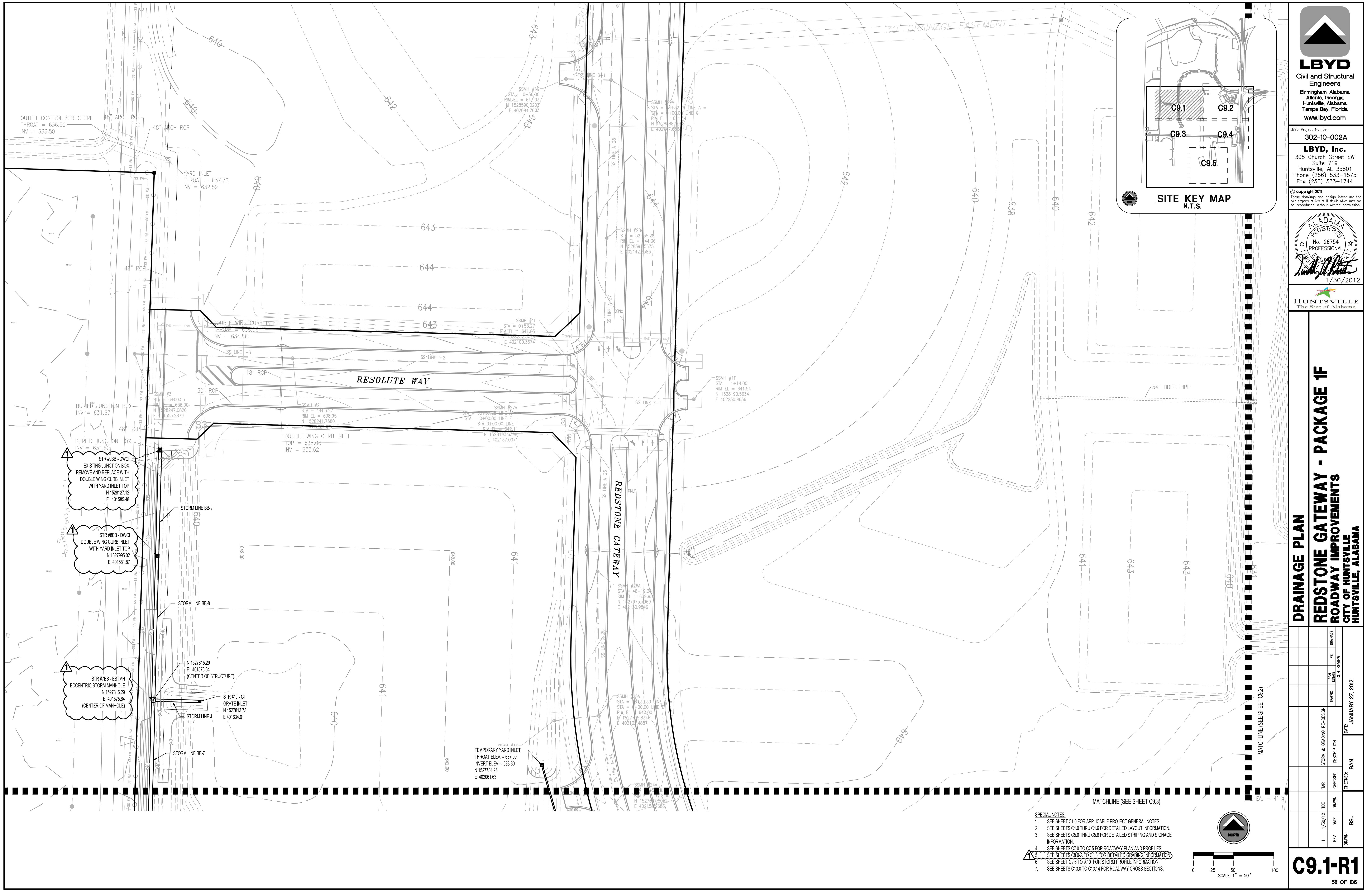
57 OF 136

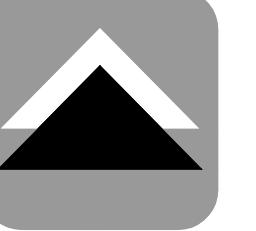
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  - SEE SHEETS C5.0 THRU C5.8 FOR DETAILED STRIPING AND SIGNAGE INFORMATION.
  - SEE SHEETS C1.0 TO C7.5 FOR ROADWAY PLAN AND PROFILES.
  - SEE SHEETS C8.0 TO C8.4 FOR DETAILED GRADING INFORMATION.
  - SEE SHEET C9.5 TO 9.10 FOR STORM PROFILE INFORMATION.
  - SEE SHEETS C13.0 TO C13.14 FOR ROADWAY CROSS SECTIONS.



**SITE KEY MAP**  
N.T.S.







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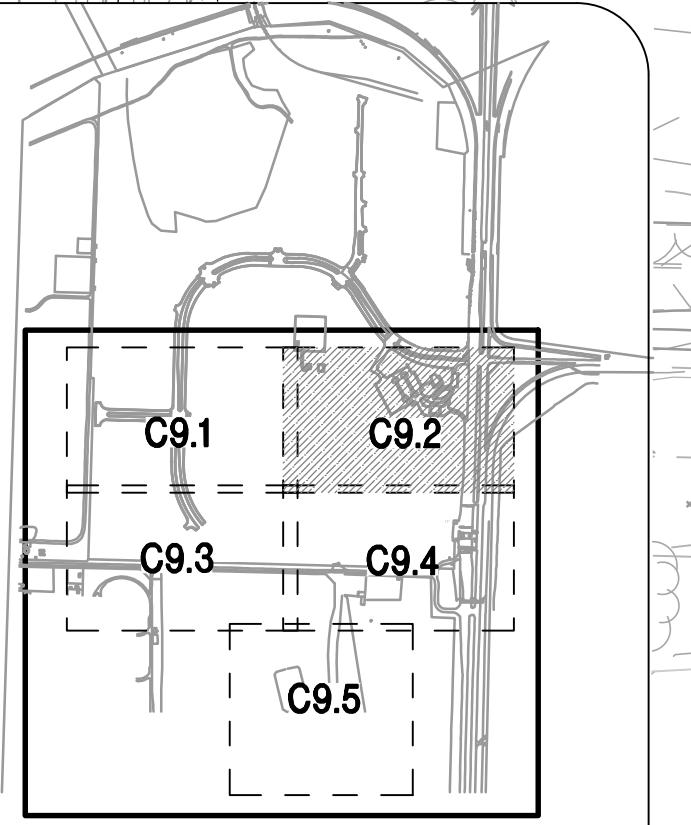
HUNTSVILLE  
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## DRAINAGE PLAN REDSTONE GATEWAY - PACKAGE 1F ROADWAY IMPROVEMENTS CITY OF HUNTSVILLE HUNTSVILLE, ALABAMA

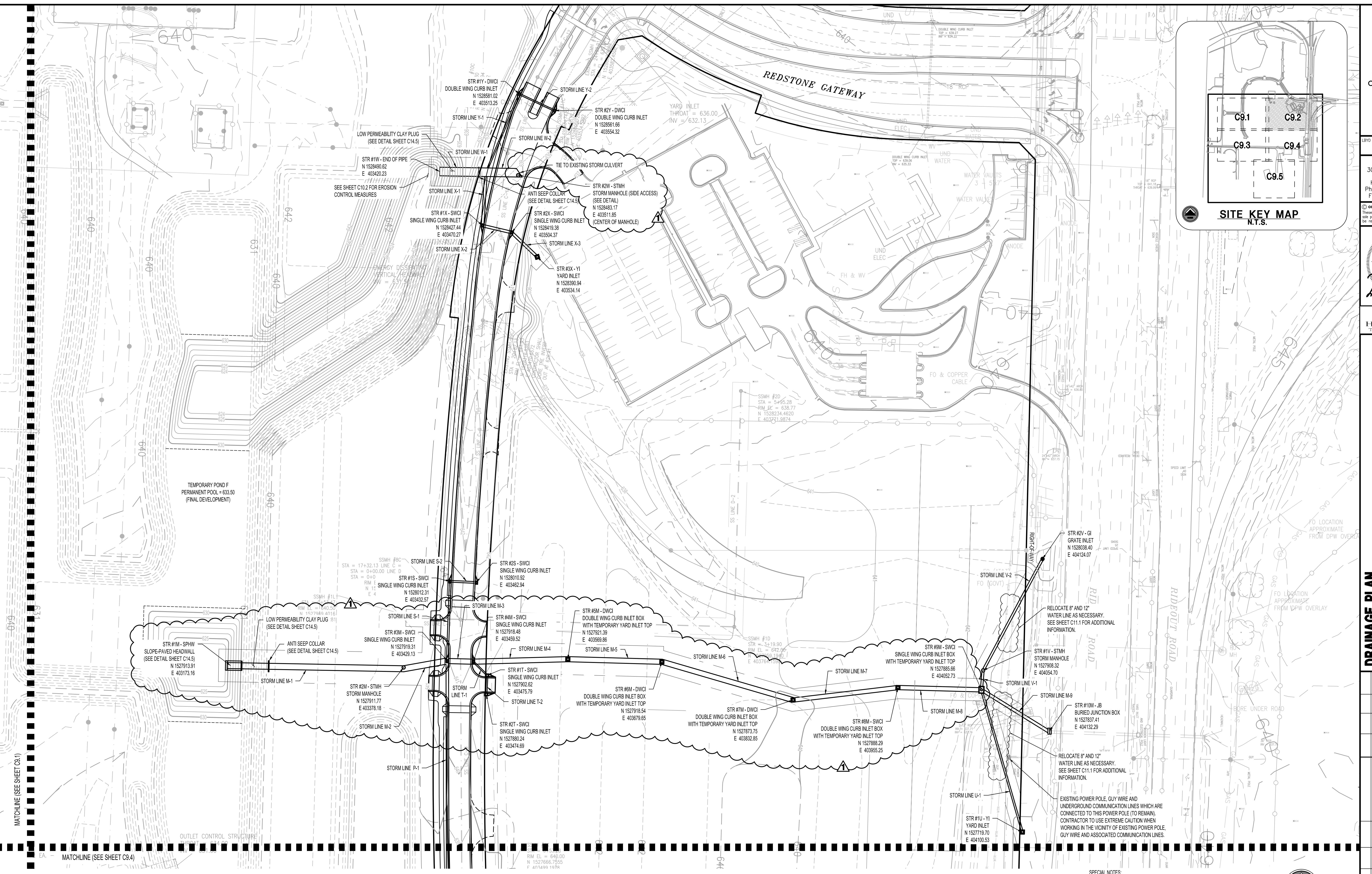
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BSJ	RAN						JANUARY 27, 2012

**C9.2-R1**

59 of 136

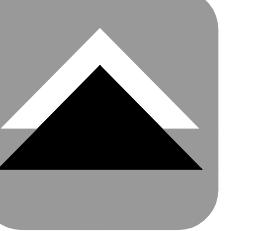


**SITE KEY MAP**  
N.T.S.



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  2. SEE SHEETS C4.0 THRU C4.6 FOR DETAILED LAYOUT INFORMATION.
  3. SEE SHEETS C5.0 THRU C5.8 FOR DETAILED STRIPPING AND SIGNAGE INFORMATION.
  4. SEE SHEETS C7.0 TO C7.5 FOR ROADWAY PLAN AND PROFILES.
  5. SEE SHEETS C13.0 TO C13.6 FOR DETAILED GRAVING INFORMATION.
  6. SEE SHEET C9.5 TO 9.10 FOR STORM PROFILE INFORMATION.
  7. SEE SHEETS C13.0 TO C13.14 FOR ROADWAY CROSS SECTIONS.

0 25 50 100  
SCALE 1" = 50'

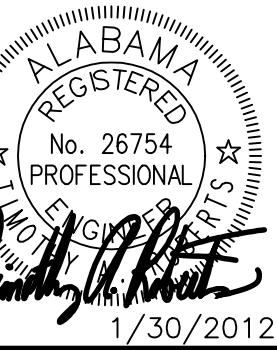


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## DRAINAGE PLAN REDSTONE GATEWAY - PACKAGE 1F ROADWAY IMPROVEMENTS CITY OF HUNTSVILLE HUNTSVILLE, ALABAMA

### NOTES:

1. COORDINATES FOR LAYOUT PURPOSES HAVE BEEN GIVEN FOR THE CENTERLINE OF THE CONCRETE BOX CULVERTS.
2. COORDINATES HAVE BEEN PROVIDED FOR THE CONCRETE BOX CULVERT ACCESS. CONTRACTOR TO ENSURE THAT CULVERT ACCESS POINT ALIGNS WITH CULVERT SIDEWALLS TO ENSURE A SAFE ENTRY. (SEE DETAILS)
3. SEE SHEETS C1.0 THRU C4.6 FOR DETAILED STRIPING AND SIGNAGE INFORMATION.
4. SEE SHEETS C7.0 TO C7.5 FOR ROADWAY PLAN AND PROFILES.
5. SEE SHEET C9.5 FOR STORM PROFILE INFORMATION.
6. SEE SHEET C9.6 FOR DETAILED GROOVING INFORMATION.
7. SEE SHEETS C13.0 TO C13.14 FOR ROADWAY CROSS SECTIONS.

**C9.3-R1**  
60 OF 136

SCALE 1" = 50'

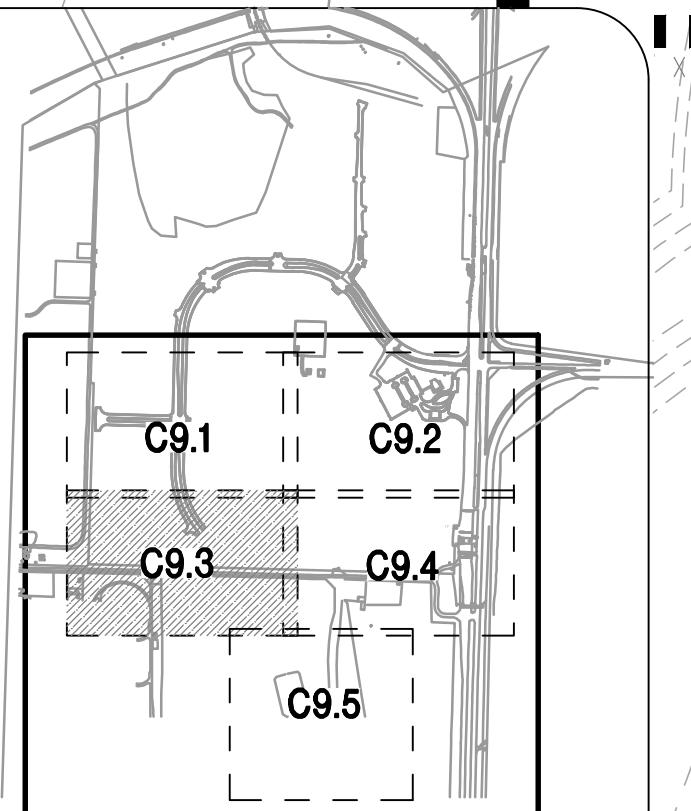


DRAWN: **BSJ** CHECKED: **RAN** DATE: **JANUARY 27, 2012**

STORM & GRADING RE-DESIGN  
TRACN DRWBN CHECKED DESCRIPTION  
PE DRAINE CON REVIEW

1 1/30/12 TBE TAR  
REV. DATE DRAWN CHECKED DESCRIPTION  
PE DRAINE CON REVIEW

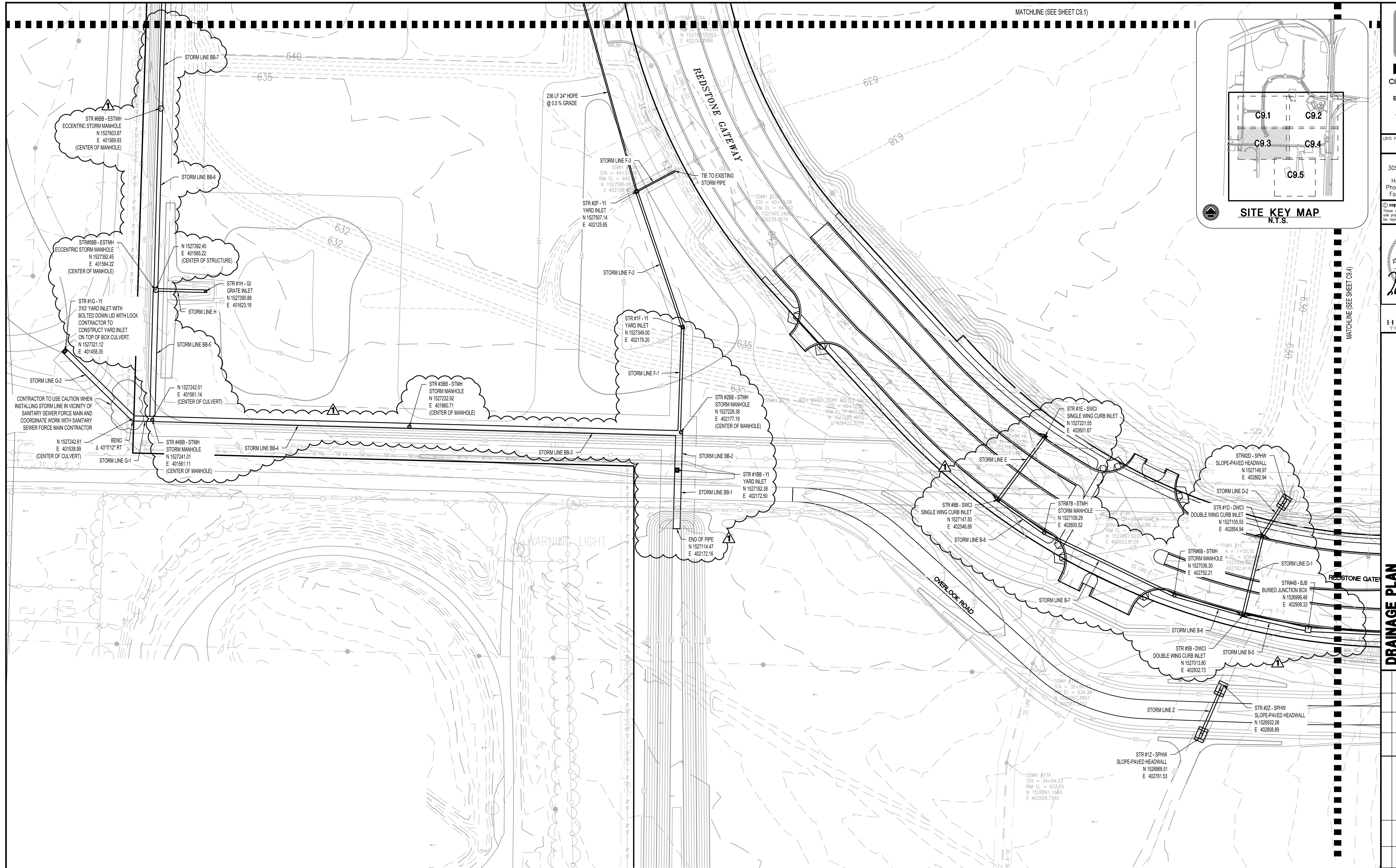
MATCHLINE (SEE SHEET C9.1)



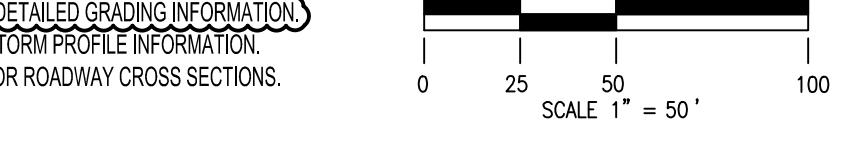
**SITE KEY MAP**  
N.T.S.

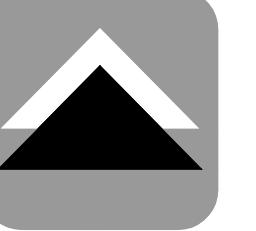
MATCHLINE (SEE SHEET C9.4)

MATCHLINE (SEE SHEET C9.4)



SPECIAL NOTES:  
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3. SEE SHEETS C5.0 THRU C5.6 FOR DETAILED STRIPPING AND SIGNAGE INFORMATION.  
4. SEE SHEETS C7.0 TO C7.5 FOR ROADWAY PLAN AND PROFILES.  
5. SEE SHEET C9.5 FOR STORM PROFILE INFORMATION.  
6. SEE SHEET C9.6 FOR DETAILED GROOVING INFORMATION.  
7. SEE SHEETS C13.0 TO C13.14 FOR ROADWAY CROSS SECTIONS.



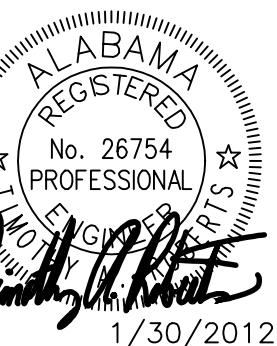


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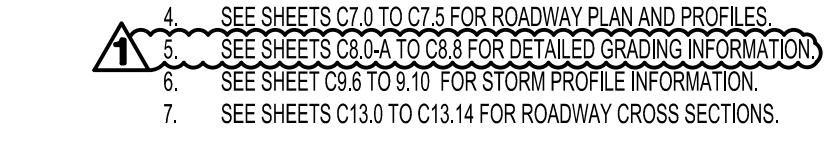
## DRAINAGE PLAN REDSTONE GATEWAY - PACKAGE 1F ROADWAY IMPROVEMENTS CITY OF HUNTSVILLE HUNTSVILLE, ALABAMA

REF.	REV.	DATE	BURINN	CHECKED	DESCRIPTION	PE	DRAINAGE	SWING & GRADING RE-DESIGN
		JANUARY 27, 2012		RAN				

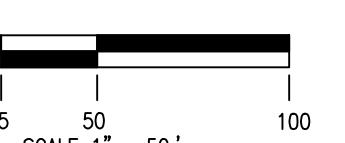
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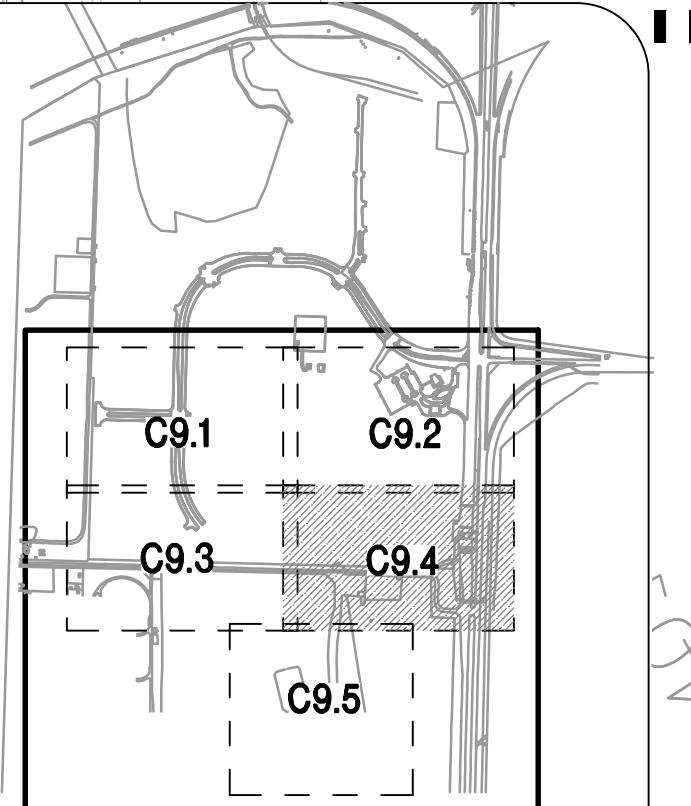
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 3. SEE SHEETS C5.0 THRU C5.8 FOR DETAILED STRIPING AND SIGNAGE INFORMATION.  
 4. SEE SHEETS C7.0 TO C7.5 FOR ROADWAY PLAN AND PROFILES.  
 5. SEE SHEETS C13.0 TO C13.3 FOR DETAILED CROSS SECTION INFORMATION.  
 6. SEE SHEET C9.5 TO 9.10 FOR STORM PROFILE INFORMATION.  
 7. SEE SHEETS C13.0 TO C13.14 FOR ROADWAY CROSS SECTIONS.



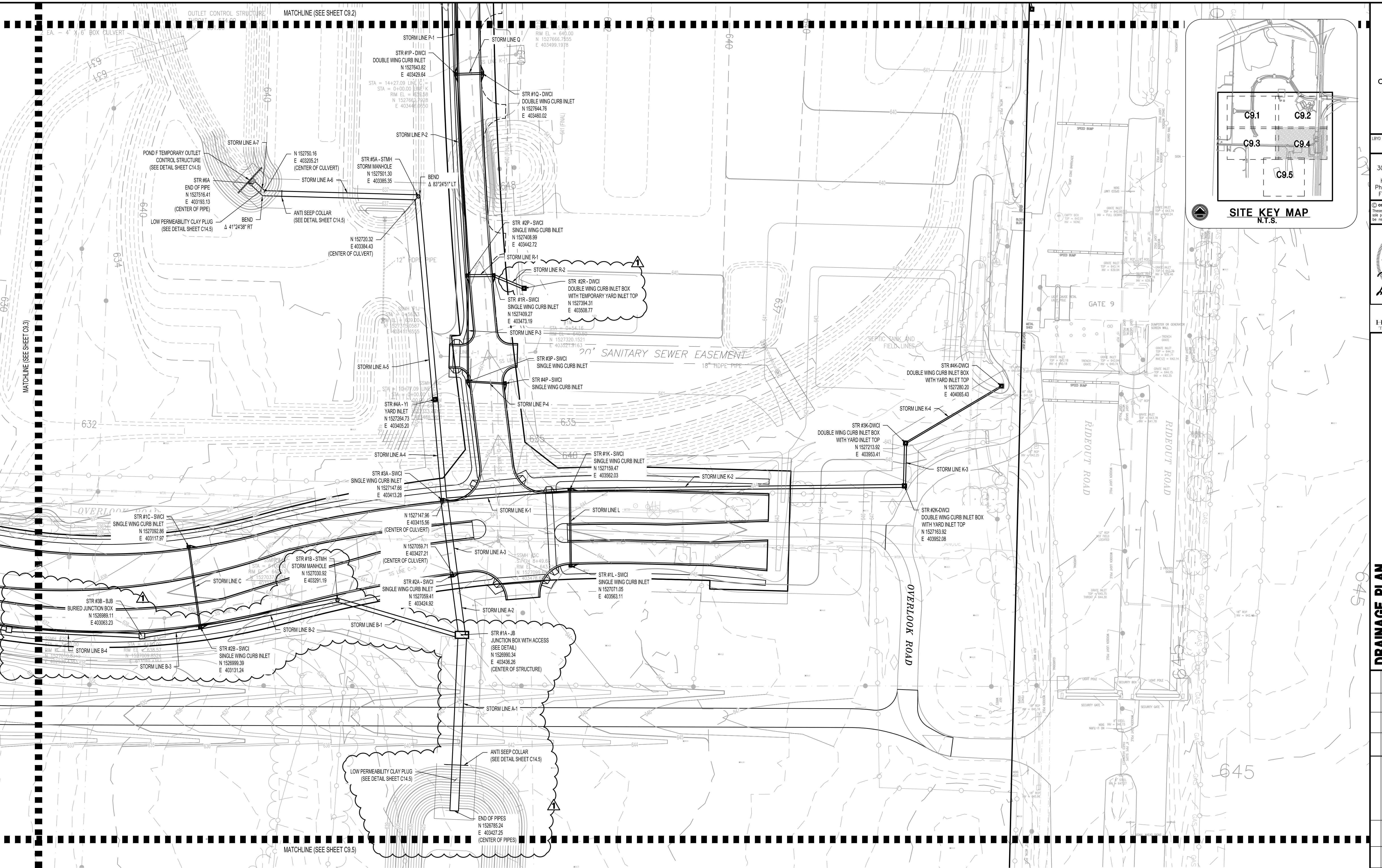
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0 25 50 SCALE 1" = 50'



**SITE KEY MAP**  
N.T.S.



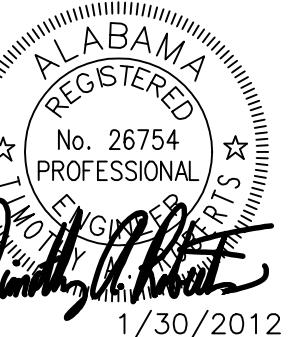


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**DRAINAGE PLAN**  
**REDSTONE GATEWAY - PACKAGE 1F**  
**ROADWAY IMPROVEMENTS**  
**CITY OF HUNTSVILLE, ALABAMA**

DRAWN:	REVIEWED:	DATE:	STORM & GRADING RE-DESIGN		
			TRANS.	REAL.	PE
BSJ	RAN	JANUARY 27, 2012			DRIVE REVIEW

**C9.5-R1**

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